

## MUNICIPAL WASTEWATER RECLAMATION SURVEY

24-May-00

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
Alameda County						
Livermore WRP, City of	PS AS F CH 6.25, 5.00	Whlse: Retail:  • Las Positas Golf Course • City of Livermore Municipal Airport • Caltrans	Golf course irrigation Landscape irrigation and fire protection Freeway irrigation	332 34 2	105	12/87
Oro Loma/Castro Valley WTP (East Bay Disch. Auth.)	* D 20.00, 12.00	Whlse: Retail:  • Skywest Golf Course	Golf course irrigation	160	188	12/87
Raymond A. Boege Alvarado WTF (Union SD)	P AS CH 35.00, 30.80	Whlse: None Retail: Union SD  • Hayward Marsh (East Bay Reg Park Dist)	Wildlife habitat enhancement	3,953	0	12/98
San Leandro Reclamation Facility (East Bay MUD)	* C F CH 2.00, 0.38	Whlse: None Retail: East Bay MUD  • Chuck Corica Golf Complex-Alameda • Harbor Bay Parkway • Port of Oakland	Golf course irrigation Landscape irrigation Landscape irrigation	343 67 15	371-458	12/95
Amador County						
Camanche North Shore WTP	OP 0.03, 0.03	Whlse: Retail:  • Camanche North Shore fields	Pasture irrigation	34	0	12/87

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Name	Processes Capacity, Flow (MGD) (MGD)					
Mule Creek State Prison WWTP	AS D 0.74, 0.57	Whlse: Retail: • Mule Creek State Prison	Pasture irrigation	35	0	12/87
Plymouth STP, City of	OP D 0.25, 0.16	Whlse: Retail: • Roy Mason	Pasture irrigation	174	0	12/87
Sutter Creek TP (Amador Reg. San. Auth.)	TF D 0.30, 0.28	Whlse: Retail: • Private Farmer/Cattle Rancher • Calif. Youth Auth. Preston Schl of Industry • Various ranchers	Pasture irrigation (250 acres) Toilet flushing, lawn watering, fire protection Pasture irrigation and stockwater	181 120 15	14	12/87
<b>Butte County</b>						
Sewerage Commission-Oroville Region WTP	PS AS F D 6.50, 2.90	Whlse: Retail: • Pacific Oroville Power Inc.	Cooling tower water (co-generation fac.)	61	27	12/87
Springs of Living Water STP	PS OP CH 0.03, 0.02	Whlse: Retail: • Springs of Living Water	Grass irrigation	9	0	12/87
<b>Calaveras County</b>						
Angels WTP, City of	AS D 0.31, 0.20	Whlse: Retail: • City of Angels/Roller Family	Pasture irrigation	271	*	12/87

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Copper Cove WTP (Calaveras CWD)	OP CH ,	Whlse: Retail: • Individual Rancher	Pasture irrigation	58	0	12/87
La Contenta TP (Calaveras CWD)	OP F CH ,	Whlse: Retail: • La Contenta Golf Club	Golf course irrigation	27	0	12/87
Murphys SD WTP	OP 0.21, 0.13	Whlse: Retail: • Kramer Ranch	Pasture and apple orchard irrigation	88	0	12/87
<b>Contra Costa County</b>						
Central Contra Costa SD WTP	PS AS C F CH 26.00, 0.26	Whlse: None Retail: Central Contra Costa SD • Diablo Valley College • Buchanan Field Golf Course • County Quarry Products • Miscellaneous-2 sites • Contra Costa Country Club • Miscellaneous-2 sites • Various parks-2 sites • Various schools-2 sites	Landscape irrigation Golf course irrigation Concrete mix, washdown Dust control Golf course irrigation Landscape irrigation Park, playground irrigation Landscape irrigation	111 108 18 11 11 10 10 7	325-585	12/99
Mt. View SD WTP	TF NR C F UV 2.40, 1.62	Whlse: None Retail: None • Moorhen and McNabney Marshes	Wetlands enhancement	2,242	0	12/98

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North Richmond WRP (East Bay MUD)	* C F D 5.20, 3.00	Whlse: None Retail: East Bay MUD • Chevron USA Refinery	Cooling tower make-up water	2,688	687	12/99
Oakley Bethel Island WRF	OP 1.50, 1.20	Whlse: Retail: • Oakley Bethel Island WW Mngmnt Auth • Emerson Dairy Fields	Pasture irrigation Leaching of soil salinity from corn fields	1,074 270	*	12/87
West County Wastewater District WTP	PS AS D 12.50, 7.00	Whlse: West County Wastewater District Retail: East Bay MUD • Richmond Country Club	Golf course irrigation	150	281	12/95
<b>Del Norte County</b>						
Best Western Ship Ashore Motel STP	OP CH 0.07, 0.03	Whlse: Retail: • Property owned by and adjacent to motel	Pasture irrigation on 20+ acres	34	0	12/87
Pelican Bay State Prison WTP (CA Dept of Corrections)	AS NR C F CH DC 0.75,	Whlse: None Retail: Pelican Bay State Prison • Pelican Bay State Prison	Landscape irrigation	33	0	12/99
<b>El Dorado County</b>						
Deer Creek WWTP (El Dorado ID)	PS AS F CH 3.00, 0.70	Whlse: None Retail: El Dorado ID • Serrano Country Club • Various street medians • Various parks-3 sites	Golf course irrigation Landscape irrigation Landscape irrigation	235 56 19	148	5/98

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Name	Processes Capacity, Flow (MGD) (MGD)					
El Dorado Hills WRP (El Dorado Irr Dist)	PS TF OP CH 1.20, 0.60	Whlse: Retail: • Wetsel-Oviatt Lumber Co. • El Dorado Hills Golf Course	Log deck watering Golf course irrigation	218 86	23	12/87
South Tahoe PUD STP	PS AS F CH 7.70, 5.00	Whlse: None Retail: South Tahoe PUD • Various ranches-6 sites in Alpine County	Pasture irrigation	4,910	0	12/98
<b>Fresno County</b>						
Coalinga WTP, City of	PS OP 0.91, 0.85	Whlse: Retail: • Coalinga School Farm	Irrigation of alfalfa, cotton, pasture, oats, & b	399	27	12/87
Fresno-Clovis Regional Wastewater Recl. Facilities	PS AS 68.00, 61.50	Whlse: None Retail: City of Fresno • Golden State Vintners • Coelho & Sons Farming • Souza Farms - 2 sites • Misc City property - 3 sites • Quist Dairy	Wine grape irrigation Alfalfa and cotton irrigation Alfalfa, silage corn, and wheat irrigation Alfalfa, silage corn, and wine grape irrigation Silage corn irrigation, pre-irrigation	1,905 1,222 1,000 400 140	0	12/97
Mendota WTP, City of	OP 0.57, 0.92	Whlse: Retail: • Floyd Williams	Alfalfa irrigation	522	0	12/87
Orange Cove WTP, City of	PS TF AS OP 0.75, 0.55	Whlse: Retail: • Tagus Ranch	Orange grove irrigation	133	0	12/87

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Name	Processes Capacity, Flow (MGD) (MGD)					
Parlier WTP (West Plant), City of	OP 1.10, 0.45	Whlse: Retail: • City wastewater site • Individual farmer	Vineyard irrigation Tree irrigation and vines	307 31	*	12/87
Pleasant Valley State Prison STP (CA Dept of Corrections)	PS OP 2.50, 1.60	Whlse: None Retail: Pleasant Valley State Prison • Double D Farms	Alfalfa and cotton irrigation	385	30	12/99
Selma-Kingsburg-Fowler CSD WTP	AS F D 8.00, 2.36	Whlse: Retail: • Selma-Kingsburg-Fowler CSD • Galen E. Bonjour	Cotton and wheat irrigation Plum orchard irrigation	182 142	0	12/87
<b>Humboldt County</b>						
Arcata WTP, City of	PS OP CH 2.30, 1.80	Whlse: Retail: • Arcata Marsh and Wildlife Sanctuary	Freshwater marsh enhancement	1,669	0	12/87
Ferndale WTP, City of	OP 1.50, 0.23	Whlse: Retail: • Elias P. Sousa	Pasture irrigation (summertime)	97	0	12/87
McKinleyville CSD Wastewater Management Facility	OP CH DC 1.20, 0.90	Whlse: None Retail: McKinleyville CSD • City and local farm sites - 4 sites	Irrigation for pasture and dairy cattle grazing	61	0	12/99

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<b>Imperial County</b>						
Calipatria WTP, City of	OP 0.50, 0.47	Whlse: Retail: • Huffman and Allen Farms	Crop irrigation	172	0	12/87
<b>Inyo County</b>						
Bishop WWTF, City of	PS OP 1.60, 0.71	Whlse: Retail: • Farmer	Pasture (approx. 125 acres) irrigation	398	*	12/87
Eastern Sierra Comm Serv Dist STP	PS OP 0.85, 0.67	Whlse: Retail: • Jim Tatum	Pasture irrigation	574	0	12/87
Furnace Creek Inn/Ranch STP	AS 0.20, 0.16	Whlse: Retail: • Furnace Creek Golf Club	Golf course irrigation	84	0	12/87
<b>Kern County</b>						
Arvin CSD WTP	AS 0.80, 0.72	Whlse: Retail: • Duncan Farms	Alfalfa, cotton irrigation	807	0	12/87
Bakersfield WTP No. 2, City of	PS OP 19.00, 16.30	Whlse: None Retail: City of Bakersfield • City farm site/Garone Farms	Fiber, fodder, and grain crop irrigation	18,260	*	12/97

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Bakersfield WTP No. 3, City of	PS TF 12.00, 10.40	Whlse: None Retail: City of Bakersfield • VCI Farms • American Yeast	Fodder, fiber and grain crop irrigation Hay irrigation	11,386 276	(27) - 0	12/97
Bear Valley Comm Serv Dist STP	AS F D 0.10, 0.05	Whlse: Retail: • Bear Valley Golf Course	Golf course irrigation	33	218	12/87
Delano WTP, City of	PS TF 4.40, 4.10	Whlse: None Retail: City of Delano • City and local farm sites-2 sites	Alfalfa, grain irrigation	4,677	0-2	12/99
Kern Sanitation Authority WTP	PS TF 6.60, 4.60	Whlse: None Retail: Kern Sanitation Authority • Agency site leased to Garone Farms	Alfalfa, cotton, and wheat irrigation	4,930	*	12/99
Lamont PUD WTP	PS OP 1.20, 1.00	Whlse: Retail: • Kaiser Bros.	Pasture irrigation	1,105	0	12/87
McFarland STP, City of	OP 0.50, 0.50	Whlse: Retail: • Local farmer	Cotton, alfalfa irrigation	560	0	12/87
North of River SD WTP	PS TF 5.88, 3.50	Whlse: None Retail: North of River SD • Sill Farms	Cotton, alfalfa, and wheat irrigation	3,920	9	6/98



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Ridgecrest (City of), NWC China Lake, Consol.WTP	PS OP CH 4.40, 3.90	Whlse: Retail: • China Lake Golf Course	Golf course irrigation	595	0	12/87
Shafter WTP, City of	PS TF 1.40, 1.40	Whlse: None Retail: City of Shafter • City Disposal Site	Cotton irrigation	1,568	0	12/99
Sheriff's Lerdo Facility WTP	OP 0.50, 0.29	Whlse: None Retail: None • Kern County Sheriff's Lerdo Facility	Pasture irrigation	307	0	12/99
Stallion Springs Comm Serv Dist WTP	AS 0.50, 0.02	Whlse: Retail: • Horse Thief Golf and Country Club	Golf course irrigation (rough areas only)	18	0	12/87
Taft Heights/Ford City SD Joint WTF (City of Taft)	OP D 1.20, 0.80	Whlse: Retail: • Creekside Farms	Alfalfa irrigation	430	0	12/87
Wasco WTP, City of	PS TF 1.95, 1.85	Whlse: None Retail: City of Wasco • Paul Farms	Alfalfa, cotton, sugar beet irrigation	2,071	*	12/99
Wasco State Prison WTP (CA Dept of Corrections)	PS OP 2.50, 0.63	Whlse: None Retail: Wasco State Prison • Prison Industry Authority Farm	Alfalfa and fodder crop irrigation	770	0	12/99

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<b>Kings County</b>						
California State Prison, Corcoran WTF (CA Dept Corrections)	AS 1.90, 1.70	Whlse: None Retail: CSP Corcoran • Prison Industry Authority Farm	Alfalfa and corn irrigation	1,451	0	1/00
Corcoran WTP, City of	OP 2.00, 1.75	Whlse: None Retail: City of Corcoran • Prison Industry Authority Farm	Alfalfa and corn irrigation	336	5	12/99
Hanford WTP, City of	PS TF D 5.50, 4.80	Whlse: None Retail: City of Hanford • Sanchez Bros. Farming	Cotton irrigation	3,000	6	11/98
Lemoore WTF, City of	OP 4.40, 2.20	Whlse: None Retail: City of Lemoore • Westlake Farms	Cotton and fodder crop irrigation	2,449	2	12/97
<b>Lake County</b>						
Hidden Valley Lake CSD WRP	AS F CH 0.35, 0.14	Whlse: None Retail: Hidden Valley Lake CSD • Hidden Valley Lake Golf and Country Clu	Golf course irrigation	238	130	12/99
Lakeport WTP, City of	PS TF D 0.57, 0.50	Whlse: Retail: • B. Jones	Pasture Irrigation	562	*	12/87
Middletown WTP (Lake Cnty San Dist)	OP CH 0.40, 0.15	Whlse: None Retail: See notes • Geysers geothermal area	Groundwater injection for steam production	46	0	6/99

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Northwest Regional WTP (Lake Cnty San Dist)	AS D 2.00, 1.24	Whlse: None Retail: Lake Cnty San Dist • Beeson Cattle Co. (land leased from Dist)	Pasture irrigation	1,596	*	6/99
Southeast Regional WTP (Lake Cnty San Dist)	OP CH 3.10, 1.60	Whlse: None Retail: See notes • Geysers geothermal area	Groundwater injection for steam production	2,499	0	6/99
<b>Lassen County</b>						
Calif Correctional Cntr STP- Susanville (CA Dept Corrections)	OP CH 1.40, 1.20	Whlse: None Retail: California Correctional Center • California Correctional Center	Alfalfa irrigation	721	0	12/99
<b>Los Angeles County</b>						
Antelope Valley Tertiary TP (CSD of Los Angeles Cnty)	* C F CH 0.60, 0.11	Whlse: None Retail: CSD of Los Angeles Cnty • Apollo Lakes County Park	Maintain recreational ponds, park irrigation	190	915	12/99
Burbank WRP, City of	PS AS C F D 9.00, 8.00	Whlse: None Retail: City of Burbank • De Bell Golf Course • Burbank Public Service Dept • Stough Landfill • Media Center • McCambridge Park • Muir Middle School • Freeway: I 5	Golf course irrigation Powerplant cooling tower water Landscape irrigation Miscellaneous landscape irrigation Park irrigation School yard irrigation Freeway landscape irrigation	293 185 104 26 24 18 4	548	12/99

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Camps Afflerbaugh and Paige STP, (LA Cnty Probation Dept)	AS CH 0.04, 0.01	Whlse: County of Los Angeles Retail: City of La Verne • Marshall Canyon Golf Course • Marshall Canyon Tree Farm	Golf course irrigation Tree farm irrigation	13 2	Unk	12/94
Camps Miller and Kilpatrick STP, (LA Cnty Probation Dept)	AS OP CH 0.04, 0.02	Whlse: None Retail: None • Camp landscape	Landscape irrigation	11	0	12/94
Donald C. Tillman WRP (City of Los Angeles)	AS C F CH DC 40.00, 35.00	Whlse: None Retail: City of Los Angeles • Lake Balboa • Sepulveda Basin Wildlife Lake • Japanese Garden Lake	Recreational lake Wildlife refuge Recreational lake and landscaping	15,904 7,616 4,480	Unk	12/95
La Cañada WRP (CSD of Los Angeles Cnty)	PS AS D 0.20, 0.12	Whlse: None Retail: CSD of Los Angeles Cnty • La Cañada-Flintridge Country Club	Golf course irrigation and impoundments	106	0	12/99
Lancaster WRP (CSD of Los Angeles Cnty)	PS OP CH 16.00, 10.50	Whlse: None Retail: CSD of Los Angeles Cnty • Piute Pond, Edwards AFB • Nebeker Ranch	Wildlife refuge Alfalfa irrigation	7,442 3,549	0-5	12/99

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Long Beach WRP (CSD of Los Angeles Cnty)	PS AS C F D 25.00, 18.50	Whlse: CSD of Los Angeles Cntv Retail: Long Beach Wtr Dept <ul style="list-style-type: none"> <li>• Various parks, athletic fields-18 sites</li> <li>• THUMS project</li> <li>• Lakewood Golf Course</li> <li>• Virginia Country Club</li> <li>• Skylinks Golf Course</li> <li>• Various schools, colleges-7 sites</li> <li>• El Dorado Park Golf Course</li> <li>• Recreation Park Golf Course</li> <li>• Cemeteries-2 sites</li> <li>• Heartwell Golf Course</li> <li>• Recreation Park Golf 9-Hole Course</li> <li>• Freeway:I 605; I 405-3 sites</li> <li>• Miscellaneous sites-3 sites</li> <li>• Jauregui Nursery</li> <li>• Various greenbelts, common use-2sites</li> </ul>	Parks, playgrounds, athletic field irrigation Repressurization of oil-bearing strata Golf course irrigation Golf course irrigation Golf course irrigation School yard irrigation Golf course irrigation Golf course irrigation Cemetery irrigation Golf course irrigation Golf course irrigation Freeway landscape irrigation Miscellaneous landscape irrigation Nursery irrigation Landscape irrigation	1,257 1,203 378 302 255 249 234 233 191 79 78 59 48 44 37	369-406	12/99
Los Angeles-Glendale WRP (Cities of Los Angeles & Glendale)	AS C F CH DC 20.00, 20.00	Whlse: None Retail: Cities of Los Angeles, Glendale <ul style="list-style-type: none"> <li>• Griffith Park, Harding &amp; Wilson GCs</li> <li>• Cemeteries-3 sites</li> <li>• Glendale Powerplant</li> <li>• Universal City</li> <li>• Freeway:Rt 2; Rt 134-5 sites</li> <li>• Lakeside Golf Club</li> <li>• Miscellaneous sites-2 sites</li> <li>• Street medians-2 sites</li> <li>• Various schools-2 sites</li> <li>• Oakmont Country Club</li> </ul>	Landscape irrigation Cemetery irrigation Cooling tower make-up Landscape irrigation Freeway landscape irrigation Golf course irrigation Landscape irrigation Landscape irrigation Landscape irrigation Golf course irrigation	1,595 960 286 208 154 93 14 5 4 1	unk	12/95

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Los Coyotes WRP (CSD of Los Angeles Cnty)	PS AS C F CH 37.50, 37.33	Whlse: See notes Retail: See notes <ul style="list-style-type: none"> <li>• Various parks, athletic fields-56 sites</li> <li>• Various schools, colleges-58 sites</li> <li>• Various commercial and public-32 sites</li> <li>• Various greenbelts, streetscapes-30 sites</li> <li>• Tuftex Carpet Mill</li> <li>• Freeway landscape-16 sites</li> <li>• Plant nurseries-15 sites</li> <li>• Rio Hondo Country Club</li> <li>• Iron-Wood Nine Golf Course</li> <li>• Ford Park Golf Course</li> <li>• Various cemeteries-2 sites</li> <li>• Bellflower Golf and Tennis Center</li> <li>• Compton Par 3 Golf Course</li> <li>• Norwalk Golf Center</li> <li>• Concrete Ready-Mixed-2 sites</li> <li>• Produce farms-2 sites</li> <li>• B&amp;B Stables</li> </ul>	Parks, playgrounds, athletic field irrigation School yard irrigation Miscellaneous landscape irrigation Landscape irrigation Process water for carpet dyeing Freeway landscape irrigation Nursery plant irrigation Golf course irrigation Golf course irrigation and impoundment Golf course irrigation Cemetery landscape irrigation Golf course irrigation Golf course irrigation Golf course irrigation Concrete mix, washdown Vegetable crop irrigation Dust control	1,540 1,390 520 492 473 403 302 224 88 49 46 44 36 27 24 15 4	82-414	12/99
Palmdale WRP (CSD of Los Angeles Cnty)	PS OP 15.00, 8.33	Whlse: None Retail: CSD of Los Angeles Cnty <ul style="list-style-type: none"> <li>• Chestnut and pistachio orchards-3 sites</li> <li>• Los Angeles Cnty Dept. of Airports</li> <li>• Anthony Baal</li> </ul>	Orchard irrigation Barley irrigation Christmas tree and nursery plant irrigation	90 22 17	0	12/99

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Pomona WRP (CSD of Los Angeles Cnty)	PS AS C F CH 13.00, 11.40	Whlse: See notes Retail: See notes <ul style="list-style-type: none"> <li>• Smurfit Newsprint</li> <li>• Montebello Forebay recharge</li> <li>• Cal Poly, Pomona-Kellogg</li> <li>• Bonelli Regional County Park</li> <li>• Spadra Landfill</li> <li>• Various commercial and public-49 sites</li> <li>• Various greenbelts, streetscapes-15 sites</li> <li>• Various schools-14 sites</li> <li>• Simpson Paper Company</li> <li>• Various parks-12 sites</li> <li>• Diamond Bar Golf Course</li> <li>• Mountain Meadows Golf Course</li> <li>• Queen of Heaven Cemetery</li> <li>• Spadra Landfill</li> <li>• Spadra Gas-to-Energy Plant</li> <li>• Freeway: I 10; Rt 57; Rt 71-3 sites</li> <li>• Camacho strawberry farm</li> <li>• Cal Poly Landlab</li> <li>• Sunshine Growers</li> </ul>	Paper manufacturing Groundwater recharge by spreading Misc agricultural and landscape irrigation Landscape irrigation Landscape irrigation Miscellaneous landscape irrigation Landscape irrigation School yard, athletic field irrigation Paper manufacturing Parks, playgrounds irrigation Golf course irrigation and impoundment Golf course irrigation Landscape irrigation Dust control Cooling tower make-up Freeway landscape irrigation Strawberry irrigation Agriculture and landscape irrigation Nursery plant irrigation	3,985 2,520 988 639 410 365 309 265 261 231 209 200 66 65 37 34 14 13 3	89-533	12/99
Pt. Dume Club WRP	AS C F CH 0.07, 0.06	Whlse: Retail: <ul style="list-style-type: none"> <li>• Pt. Dume Club Mobile Home Park</li> </ul>	Landscape irrigation (6 acres)	46	0	12/87

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San Jose Creek WRP (CSD of Los Angeles Cnty)	PS AS C F CH 100.00, 84.93	Whlse: See notes Retail: See notes <ul style="list-style-type: none"> <li>• Montebello Forebay recharge</li> <li>• Industry Hills Recreation and Conference</li> <li>• Puente Hills Landfill</li> <li>• Puente Hills Energy Recovery Facility</li> <li>• California Country Club</li> <li>• Rose Hills Memorial Park</li> <li>• Puente Hills Landfill</li> <li>• Various parks-5 sites</li> <li>• Various schools-6 sites</li> <li>• Freeway: I 605-1 site</li> <li>• Arbor Nursery</li> <li>• Wildflower field</li> <li>• Sorenson Library</li> </ul>	Groundwater recharge by spreading Golf course irrigation, impoundments, equestrian Landscape irrigation Powerplant cooling tower water Golf course irrigation and impoundment Landscape irrigation Dust control Park landscape irrigation School yard irrigation Freeway landscape irrigation Nursery stock irrigation Landscape irrigation Miscellaneous landscape irrigation	31,837 979 957 559 433 383 193 114 84 72 12 6 1	20-267	12/99
Tapia WRP (Las Virgenes MWD)	PS AS C F CH 8.00, 6.40	Whlse: Retail: <ul style="list-style-type: none"> <li>• 112 Landscape areas</li> <li>• 10 Landscape users</li> <li>• Rancho Las Virgenes (Tapia WRF)</li> <li>• Calabasa Landfill</li> <li>• Calabasas Golf and Country Club</li> <li>• Malibu Valley Farms</li> <li>• Central Valley Calabasas</li> <li>• 2 Miscellaneous users</li> <li>• Lake Lindero Country Club</li> <li>• Woodland Construction (DMD)</li> <li>• Caltrans</li> <li>• Westlake Car Wash (Shato Holdin Co.)</li> </ul>	Parks, medians, commercial and other landscape 2 Parks, 7 schools, and university irrigation Miscellaneous agricultural irrigation Irrigation, dust control, compaction Golf course irrigation Horse pasture irrigation Landscape irrigation and construction Fire breaks and suppressions irrigation Golf course irrigation Landscape irrigation and construction Freeway irrigation Landscape irrigation	2,091 571 497 368 331 153 123 92 92 61 12 9	176-365	12/87



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Top O Topanga Mobile Home Estates STP	AS CH 0.04, 0.02	Whlse: Retail: • Top O Topanga Mobile Home Estates	Landscape irrigation	25	0	12/87
West Basin WRP - RO System (West Basin MWD)	* C F MF RO CH 7.50, 7.50	Whlse: See notes Retail: See notes • West Coast Basin Barrier Project	Groundwater injection for intrusion barrier	7,503	463	12/98
West Basin WRP - Title 22 System (West Basin MWD)	* C F CH 15.00, 8.90	Whlse: See notes Retail: See notes • Mobil Refinery • Chevron Refinery • Mobil Refinery • Various parks, athletic fields-32 sites • Inglewood Park Cemetery • Various commercial and public-12 sites • Various schools-24 sites • Freeway:I 105; I 405-12 sites • Hollywood Park Race Track • Various street medians-23 sites • The Lakes at El Segundo • Los Angeles International Airport-9 sites • Chester Washington Golf Course	Cooling tower make-up water Cooling tower make-up water Boiler feed Parks, playgrounds, athletic field irrigation Cemetery irrigation Miscellaneous landscape irrigation School yard irrigation Freeway landscape irrigation Landscape irrigation, impoundment Landscape irrigation Golf course irrigation Landscape irrigation Golf course irrigation	4,138 3,600 671 407 311 272 237 86 76 55 48 38 22	321-884	12/98
Whittier Narrows WRP (CSD of Los Angeles Cnty)	PS AS C F CH 15.00, 9.92	Whlse: See notes Retail: See notes • Montebello Forebay recharge • F. L. Norman's Nursery	Groundwater recharge Nursery stock irrigation	11,419 75	7-267	12/99

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
<b>Madera County</b>						
Central Calif Women's Facility STP (CA Dept of Corrections)	OP 1.44, 0.99	Whlse: None Retail: Central California Women's Facility • Prison Industry Authority	Alfalfa irrigation	518	0	12/99
Chowchilla WTP, City of	AS 1.80, 1.18	Whlse: Retail: • Pete Cornaggia (Farmer)	Cotton irrigation	43	0	12/87
Madera WTP, City of	PS TF 7.00, 5.00	Whlse: None Retail: City of Madera • City disposal area (leased to farmer)	Fodder crop irrigation	5,601	*	5/99
Madera, County of, Goldside MD 27 WTP	PS AS CH 0.09, 0.04	Whlse: None Retail: None • Goldside HOA Golf Course	Golf course irrigation	39	0	12/98
Wildwood Mobile Home Park STP	AS 0.02, 0.01	Whlse: Retail: • Wildwood Mobile Home Park	Pasture irrigation	11	0	12/87
<b>Marin County</b>						
Ignacio TP (Novato SD)	PS TF CH 2.02, 1.62	Whlse: None Retail: Novato SD • Novato SD Reclamation Project	Pasture irrigation	697	*	12/99

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
Las Gallinas Valley Recycling Plant (Marin MWD)	* C F CH 2.00, 0.79	Whlse: None Retail: Marin MWD • Various commercial and public-118 sites • Various greenbelts-44 sites • McInnis Park Golf Center • Various schools-8 sites • Various parks, athletic fields-12 sites • Various restroom facilities-5 sites • Mt. Olivet Cemetery • Various freeway sites-4 sites • Various cooling towers-2 sites • Various car wash facilities-2 sites • Nazareth House laundry facility	Miscellaneous landscape irrigation Landscape irrigation Golf course irrigation School yard irrigation Parks, playgrounds, athletic field irrigation Toilet flushing Cemetery irrigation Freeway landscape irrigation Cooling tower make-up water Car washing Laundry water (0.1 ac-ft)	303 274 116 66 66 20 16 11 8 6 0	540	12/97
Las Gallinas Valley SD WTP	PS TF F CH 2.90, 2.60	Whlse: Retail: • Individual Rancher	Pasture irrigation	377	*	12/87
Novato TP (Novato SD)	PS AS CH 4.53, 3.78	Whlse: None Retail: Novato SD • Novato SD Reclamation Project	Pasture irrigation	1,626	*	12/99
Tomales WWTP (North Marin WD)	OP F 0.04, 0.01	Whlse: Retail: • A. Lodi	Pasture irrigation	20	20	12/87
Trestle Glen TP (Richardson Bay SD)	* TF OP D 0.12, 0.05	Whlse: Retail: • Town of Tirubon (McKegney Greens)	Landscape irrigation	24	514	12/87

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
<b>Mariposa County</b>						
Wawona WTF-Yosemite NP (US Nat'l Park Service)	AS NR C F D DC 0.50, 0.13	Whlse: None Retail: National Park Service • Wawona Hotel Golf Course	Golf course irrigation	78	98	12/99
<b>Mendocino County</b>						
Gualala CSD WTP	PS AS C F CH 0.29, 0.09	Whlse: None Retail: See notes • The Sea Ranch Golf Links	Golf course irrigation	95	474	12/97
Westport CWD TP	OP CH 0.02, 0.01	Whlse: Retail: • Westport County Water District	Pasture irrigation	12	0	12/87
Willits WQCP, City of	AS D 1.30, 0.86	Whlse: Retail: • City of Willits Effluent Disposal Site • Hoguenstadt Ranch	Irrigation of grazing & haying fields Grazing land	276 71	0	12/87
<b>Merced County</b>						
Los Banos WTP, City of	OP 2.50, 2.00	Whlse: Retail: • City of Los Banos WTP	Pasture irrigation	278	0	12/87
Merced WTF, City of	PS AS CH 10.00, 7.29	Whlse: Retail: • Wetland/wildlife area	Wetland/wildlife enhancement	1,008	0	12/87

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
<b>Mono County</b>						
Mammoth CWD STP	PS AS F CH 2.20, 1.50	Whlse: Retail: • Various contractors • Town of Mammoth Lakes	Dust control and compaction Hwy. landscape irrigation	8 2	0	12/87
<b>Monterey County</b>						
Carmel TP (Carmel Area Wastewater District)	PS AS C F CH DC 1.80, 0.80	Whlse: See notes Retail: See notes • Monterey Peninsula Country Club • Pebble Beach Golf Links • Spanish Bay Golf Course and Resort • Poppy Hills Golf Course • Spyglass Hill Golf Course • Cypress Point Club • Peter Hay Golf Course • Collins Polo Field • Robert Louis Stevenson School • Pebble Beach Practice Fairway	Golf course irrigation Golf course irrigation Golf course irrigation Golf course irrigation Golf course irrigation Golf course irrigation Golf course irrigation Landscape irrigation Athletic field irrigation Landscape irrigation	183 169 126 121 93 85 11 10 5 3	1.100	12/97
Carmel Valley CSD	RB C F D 0.10, 0.04	Whlse: Retail: • Carmel Valley Ranch and Golf Course	Golf course irrigation	39	0	12/87
Monterey Reg WTP (Monterey Reg Wtr Poll Contr Agency)	PS TF C F CH DC 38.50, 9.00	Whlse: Monterey Reg Wtr Poll Contr Agcy Retail: Monterey Cnty Wtr Res Agency • Various farmers-83 sites	Irrigation of artichokes, lettuce, etc.	10,106	85	12/99

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
Napa County						
Dunaweal WTP (City of Calistoga)	PS OP C F CH 0.80, 0.62	Whlse: Retail:  • Mt. St. Helena Golf Course and Napa Cnty • Maxfield Property • Fox Property • Calistoga High School • Calistoga Soaring Center • Little League Field	Golf course irrigation Horse pasture Horse pasture Landscape irrigation Landscape irrigation Landscape irrigation	178 64 60 17 6 0	0	12/87
Meadowood Resort Hotel STP	AS F CH ,	Whlse: Retail:  • Meadowood Resort Hotel	Golf course irrigation	22	0	12/87
Pacific Union College STP	PS TF AS OP 0.20, 0.19	Whlse: Retail:  • Pacific Union College	Fodder irrigation	214	0	12/87
Suscol WTF (Napa SD)	PS OP D 15.40, 7.00	Whlse: Retail:  • Chamberlain Farms (230 AC) • Kirkland Cattle Company • Napa County Airport (160+ Acres)	Feed and fodder crops - irrigated pasture Pasture irrigation Alfalfa irrigation	792 211 122	0	12/87
Yountville/CA Veterans Home Joint WTF	PS TF C F D 2.00, 0.42	Whlse: Retail:  • Chimney Rock Golf Course • Veterans Home Hay Field	Golf course irrigation Hay fields	153 104	0	12/87

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
<b>Nevada County</b>						
Lake of the Pines WTP (Nevada CSD No.1)	OP C F CH DC 0.41, 0.29	Whlse: Retail: • Lake of the Pines WWTP	Pasture irrigation	169	0	12/87
<b>Orange County</b>						
Coastal STP (South Coast WD)	* C F CH 4.20, 0.93	Whlse: See notes Retail: See notes • Various greenbelts, streetscapes-54 sites • Monarch Beach Golf Links • Various parks-8 sites • Aliso Creek Inn and Golf Course • Dana Hills High School	Landscape irrigation Golf course irrigation Landscape irrigation Golf course irrigation Landscape irrigation	503 276 75 61 26	706	6/95
El Toro WD WTP	PS AS CH 6.00, 5.00	Whlse: None Retail: El Toro WD • Laguna Hills Golf Club • PCM Nursery	Golf course irrigation Nursery plant irrigation	281 15	375	6/95

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
Green Acres TP (Orange County Water District)	* C F CH 6.34, 5.66	Whlse: See notes Retail: See notes <ul style="list-style-type: none"> <li>• Various parks, athletic fields-9 sites</li> <li>• Chroma System/Monterey Carpets</li> <li>• Costa Mesa Country Club</li> <li>• Freeway: I 405; Rts 55&amp;73-7 sites</li> <li>• Mile Square Golf Course</li> <li>• Home Ranch</li> <li>• Big Canyon Country Club</li> <li>• David L. Baker Memorial Golf Course</li> <li>• Miscellaneous sites-11 sites</li> <li>• Various schools, college-3 sites</li> <li>• Mt. Olive Memorial Park</li> <li>• Various greenbelts, streetscapes-16 sites</li> <li>• Newport Beach Country Club</li> <li>• OCWD Admin. Bldg.</li> </ul>	Parks, playgrounds, athletic field irrigation Process water for carpet dyeing Golf course irrigation Freeway landscape irrigation Golf course irrigation Lima bean irrigation (winter only) Golf course irrigation Golf course irrigation Miscellaneous landscape irrigation School yard irrigation Cemetery irrigation Landscape irrigation Golf course irrigation Toilet flushing	544 438 268 188 165 133 127 101 97 84 45 32 18 1	330-498	12/99
Joint Regional TP (Moulton Niguel WD)	* C F CH 11.40, 3.50	Whlse: None Retail: Moulton Niguel WD <ul style="list-style-type: none"> <li>• Various greenbelts, common areas-360 site</li> <li>• Aliso Viejo Golf Course</li> <li>• Various landscape-84 sites</li> <li>• Various parks-22 sites</li> <li>• El Niguel Country Club</li> <li>• Various schools-10 sites</li> <li>• Freeway: I 5; Rt 73-6 sites</li> </ul>	Landscape irrigation Golf course irrigation Landscape irrigation Landscape irrigation Golf course irrigation Landscape irrigation Freeway landscape irrigation	2,002 586 408 394 310 154 37	318-453	12/99



Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
Michelson WRP (Irvine Ranch WD)	PS AS C F CH 17.00, 13.50	Whlse: None Retail: Irvine Ranch WD <ul style="list-style-type: none"> <li>• Various landscape-1600 sites</li> <li>• Pelican Hill Golf Club</li> <li>• Various parks-76 sites</li> <li>• Orange County WD Green Acres Project</li> <li>• Oak Creek Golf Course</li> <li>• Various schools-34 sites</li> <li>• Univ. of California Irvine</li> <li>• Tustin Ranch Golf Club</li> <li>• Rancho San Joaquin Golf Course</li> <li>• Marine Memorial GC-MCAS El Toro</li> <li>• Bee Canyon Landfill</li> <li>• Freeway landscape-20 sites</li> <li>• Irvine Valley College</li> <li>• Concordia University</li> <li>• Agricultural irrigation-4 sites</li> <li>• Royalty Carpets Mills</li> <li>• Various private residences-70 sites</li> <li>• Agricultural irrigation-4 sites</li> <li>• Various restroom facilities-4 sites</li> <li>• Strawberry Farms Golf Club</li> </ul>	Landscape irrigation Golf course irrigation Landscape irrigation See Green Acres TP Golf course irrigation School yard irrigation Landscape irrigation Golf course irrigation Golf course irrigation Golf course irrigation Dust control, compaction Freeway landscape irrigation Landscape irrigation Landscape irrigation Irrigation of nursery crops Process water for carpet dyeing Landscape irrigation Irrigation of food crops Toilet flushing Golf course irrigation	6,633 742 668 498 441 434 387 383 303 255 240 135 109 106 96 87 77 35 23 2	192-279	12/98
Muirlands WRP (Los Alisos WD)	OP C F CH 5.50, 0.92	Whlse: None Retail: Los Alisos WD <ul style="list-style-type: none"> <li>• Various commercial and public-124 sites</li> <li>• V.P. Baker Ranch</li> <li>• El Toro Materials</li> <li>• Saddleback Valley Unif Schl Dist- 1 site</li> <li>• El Toro Memorial Park</li> </ul>	Landscape irrigation Irrig. of oranges, avocados, nursery plants Rinse water for sand and gravel School yard irrigation Cemetery irrigation	629 348 31 15 10	200	6/95

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
Oso Creek WRP (Santa Margarita WD)	TF AS C F CH 2.00, 0.62	Whlse: Retail: • 1 school, 80 other (parks, greenbelts, etc.) • Casta del Sol Golf Course • Caltrans • Herrmann/Jensen Nursery	Landscape irrigation Golf course irrigation Freeway irrigation Nursery container stock irrigation	393 125 120 53	492	12/87
Plant 3A WRP (Moulton Niguel WD)	P AS C F CH 2.40, 1.90	Whlse: None Retail: Moulton Niguel WD • Mission Viejo Country Club • Various greenbelts, streetscape-65 sites • Saddleback College • Various parks-8 sites • Freeway: I5, Corridor - 4 sites • Various public, commercial-9 sites	Golf course irrigation Landscape irrigation Landscape irrigation Landscape irrigation Freeway landscape irrigation Landscape irrigation	398 348 200 92 65 57	318-453	12/99
Robinson Ranch WRP (Trabuco Canyon WD)	AS C F CH 0.85, 0.70	Whlse: None Retail: Trabuco Canyon WD • Dove Canyon Country Club	Golf course irrigation	700	550	6/96
San Clemente WRP, City of	PS AS C F CH 2.20, 0.40	Whlse: None Retail: City of San Clemente • Pacific Golf Club • San Clemente Municipal Golf Course	Golf course irrigation Golf course irrigation	323 10	501	6/95
Water Factory 21 (Orange County WD)	* C F CA RO 10.00, 2.35	Whlse: None Retail: None • Orange County Water District	Groundwater injection for intrusion barrier	2,638	*	12/95

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
<b>Placer County</b>						
Lincoln WRP, City of	OP CH 0.80, 0.60	Whlse: Retail: • Charles Joiner	Construction dust control, pasture irrigation	338	0	12/87
Placer Cnty Serv Area #6- Sheridan (Public Works)	OP 0.04, 0.04	Whlse: Retail: • Bud Morrison	Pasture irrigation	34	0	12/87
Roseville Dry Creek WWTP, City of	AS C F CH DC 18.00, 13.30	Whlse: None Retail: City of Roseville • Sun City Roseville golf course • Woodcreek Golf Club • Sun City medians, streetscape • Various parks-2 sites	Golf course irrigation Golf course irrigation Landscape irrigation Landscape irrigation	360 268 90 10	98	4/99
<b>Plumas County</b>						
Quincy Comm Serv Dist WTP	RB OP CH DC 2.20, 0.75	Whlse: Retail: • Gene Drybread	Fodder and pasture irrigation	359	2	12/87
<b>Riverside County</b>						
Desert Water Agency WRF	* C F CH 10.00, 2.60	Whlse: City of Palm Springs Retail: Desert Water Agency • Palm Springs Municipal Golf Course • Mesquite Country Club • Demuth Park • Mid-Valley Parkway	Golf course irrigation Golf course irrigation Park, athletic field irrigation Landscape irrigation	1,776 738 359 2	148	12/99

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
Hemet/San Jacinto Reg. WRF (Eastern MWD)	PS AS CH 11.00, 7.50	Whlse: None Retail: Eastern MWD • Various farms - 10 sites • Eastern MWD wetlands recl project • Buena Vida Farms • Alta Nursery	Fodder crop irrigation Wetlands treatment/enhancement Fodder crop irrigation & waterfowl ponds Nursery plant irrigation	4,836 1,604 1,098 208	25	12/97
Indian Hills WRP (Jurupa Comm Serv Dist)	AS C F CH 0.80, 0.64	Whlse: Retail: • Indian Hills Golf Course • Santa Ana River Lakes • Villa De Anza Retirement Hotel	Golf course irrigation Groundwater recharge Landscape irrigation pond	540 18 6	0	12/87
March Air Force Base STP	PS TF OP CH 1.20, 0.45	Whlse: Retail: • General Old Golf Course • VA National Cemetery	Golf course irrigation Landscape irrigation	313 190	0	12/87
Moreno Valley Reg. WRF (Eastern MWD)	AS NR C F D DC 16.00, 10.00	Whlse: None Retail: Eastern MWD • Various farms - 10 sites • A & G Sod - 2 sites • Various landscaped sites - 3 sites • Riverside Community College	Fodder crop irrigation Turf grass irrigation Landscape irrigation Landscape irrigation	4,514 418 370 37	25-130	12/97
Palm Desert Cntry Clb WRP #9 (Coachella Valley WD)	AS CH 0.45, 0.40	Whlse: Retail: • Palm Desert Country Club	Golf Course irrigation	384	*	12/87

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
Palm Desert WRP #10 (Coachella Valley WD)	AS C F CH 10.00, 6.02	Whlse: Retail: • Palm Desert Greens • Santa Rosa Country Club • Portola Country Club	Golf course & greenbelt irrigation Golf course & greenbelt irrigation Golf course & greenbelt irrigation	346 324 144	33	12/87
Perris Valley Reg. WRF (Eastern MWD)	PS AS NR C F CH 11.00, 6.00	Whlse: None Retail: Eastern MWD • Various farms - 7 sites • California Dept of Fish and Game • Various farms - 3 sites • Eastern MWD	Fodder crop irrigation Wetlands and fodder crop irrigation Pasture, fodder crop irrigation Landscape irrigation	3,138 1,538 1,244 37	25	12/97
Railroad Canyon WRP (Elsinore Valley MWD)	PS AS CH 0.75, 0.63	Whlse: Retail: • Canyon Lake Country Club	Golf course irrigation	364	0	12/87
Santa Rosa WRF (Rancho California WD)	AS NR C F CH 5.00, 2.74	Whlse: See notes Retail: Rancho California WD • Temecula Creek Inn Golf Course • Redhawk Country Club • Quality Turf Corona Ranch • Bear Creek Golf and Country Club • Riverside County CSA 143-31 sites • Various commercial and public-7 sites • Various parks and athletic fields-2 sites	Golf course irrigation Golf course irrigation Turfgrass irrigation (sod farm) Golf course irrigation Landscape irrigation Landscape irrigation Landscape irrigation	659 532 517 480 275 34 11	113	12/98

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
Temecula Valley Reg. WRF (Eastern MWD)	PS AS NR C F CH 8.00, 5.20	Whlse: See notes Retail: Eastern MWD • Phil Rheingans - 4 sites • West Coast Turf • Agri Empire - 4 sites • Various farms - 2 sites • Cherry Hills Golf Club • Flying U Farms • North Golf Course • Lichip, Inc. • Eastern MWD pump station	Bean, grain irrigation Turfgrass irrigation Potato irrigation Fodder crop irrigation Golf Course irrigation Onion irrigation Golf course irrigation Vegetable irrigation Landscape irrigation	1,325 742 614 473 219 156 113 58 6	60-130	12/97
Valley SD WTF	PS TF AS OP 7.50, 1.40	Whlse: None Retail: Valley SD • Cabazon Band of Mission Indians	Pasture and fodder irrigation	1,289	0	12/98
<b>Sacramento County</b>						
Galt WTP, City of	OP CH 0.84, 0.71	Whlse: Retail: • Galt, City of WWTP	Pasture irrigation	483	0	12/87
Rancho Murieta CSD WRP	OP DF C F CH 1.50, 0.40	Whlse: Retail: • Rancho Murieta Country Club	Golf course irrigation	169	0	12/87
<b>San Bernardino County</b>						
Barstow WRF, City of	PS AS CH 4.50, 2.60	Whlse: Retail: • City of Barstow	Alfalfa irrigation	2,240	0	12/87

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
Big Bear Area Regional Wastewater Agency STP	AS 3.26, 1.85	Whlse: None Retail: Big Bear Area Reg WW Agency • Lucerne Valley disposal site	Alfalfa, fodder crop irrigation	2,249	0	12/96
Calif Institution for Men-Chino (Dept of Corrections)	AS 1.70, 0.76	Whlse: None Retail: California Institution for Men • Prison Industry Authority	Fodder crop irrigation	906	0	12/99
Carbon Canyon WRF (Inland Empire Utilities Agency)	PS AS C F CH DC 10.20, 8.00	Whlse: Inland Empire Utilities Agency Retail: Cities of Chino, Chino Hills • Various parks-3 sites • Garcia Farms • Various greenbelts-5 sites • Various commercial-15 sites • Norco Injection Molding	Park, playground irrigation Fodder corn irrigation Landscape irrigation Landscape irrigation Industrial process water	183 127 126 72 15	257-314	12/99
Cleghorn WTP (Crestline San Dist)	AS CH 0.20, 0.02	Whlse: Retail: • Las Flores Ranch LTD	Sudan grass irrigation	28	0	12/87
Houston Creek TP (Crestline San Dist)	PS TF CH 0.75, 0.34	Whlse: Retail: • Las Flores Ranch LTD	Sudan grass irrigation	362	0	12/87
Imp Zone B STP-Helendale (San Bernardino CSA 70)	PS AS CH 0.25, 0.20	Whlse: Retail: • County Service Area 70, Imp. Zone B, TP	Landscape irrigation	224	0	12/87
Kaiser Steel Resources, Inc. STP	PS TF 0.50, 0.15	Whlse: Retail: • California Steel Industries	Steel plant cooling water	173	0	12/87

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
National Training Center STP, Fort Irwin	PS OP CH 1.10, 0.85	Whlse: Retail: • National Training Center, Fort Irwin	Alfalfa irrigation	915	0	12/87
Pilot Rock Cons. Camp STP (CA Dept of Forestry)	AS 0.01, 0.01	Whlse: Retail: • Las Flores Ranch LTD	Sudan grass irrigation	9	0	12/87
Regional Plant No. 1 (Inland Empire Utilities Agency)	PS AS F CH DC 44.00, 41.00	Whlse: Inland Empire Utilities Agency Retail: IEUA, City of Ontario • Prado Lake at Prado Regional Park • Whispering Lakes Golf Club • El Prado Golf Course	Recreational lake Golf course irrigation Golf course irrigation	1,097 781 189	81-116	12/98
San Bernardino WRP, City of	PS AS C F CH 3.00, 1.87	Whlse: Retail: • San Bernardino Golf Club • Caltrans	Golf course irrigation Freeway irrigation	89 62	17-204	12/87
Seeley Creek TP (Crestline San Dist)	PS TF CH 0.50, 0.23	Whlse: Retail: • Las Flores Ranch LTD.	Sudan grass irrigation	202	0	12/87
Upland Hills Country Club WRP (City of Upland)	PS TF C F CH 0.20, 0.16	Whlse: Retail: • Upland Hills Country Club	Golf course irrigation	173	104	12/87
USMC Air Ground Combat Center STP-Twenty-nine Palms	PS OP 7.00, 1.94	Whlse: Retail: • USMC Air Ground Combat Center • Combat Center Golf Course	Landscape irrigation Golf course irrigation	1,335 445	0	12/87



Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
Western Hills Golf & Country Club WTP	AS CH , 0.02	Whlse: Retail: • Western Hills Golf and Country Club	Golf course irrigation	21	0	12/87
Willow Creek WTP (Lake Arrowhead Comm Serv Dist)	PS AS CH 1.70, 1.34	Whlse: Retail: • District Reclamation Farm	Alfalfa irrigation	1,473	0	12/87
<b>San Diego County</b>						
Fallbrook PUD WTP # 1	PS AS C F CH 3.10, 1.56	Whlse: None Retail: Fallbrook PUD • Plant and flower nurseries-5 sites • Freeway: I5; Rt 76 • Fallbrook High School • Crinklaw, Olive Hill Greenhouse-2 sites • Camp Pendleton Marine Memorial GC	Nursery plant and flower irrigation Freeway irrigation Landscape irrigation Orchard, vineyard irrigation Golf course irrigation	436 123 26 20 16	98-420	12/98
Gafner WTP (Leucadia CWD)	* C F CH 1.00, 0.21	Whlse: Leucadia CWD Retail: Carlsbad MWD • La Costa Resort and Spa	Golf course irrigation	235	688	12/99

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
Meadowlark WRF (Vallecitos WD)	RB C F CH 2.00, 2.00	Whlse: Vallecitos WD Retail: Carlsbad MWD • Miscellaneous sites-40 sites • La Costa Resort and Spa • Aviara Golf Club • Legoland California theme park • Poinsettia Park • Aviara Oaks Elementary School • Freeway: I5 • City roadway	Miscellaneous landscape irrigation Golf course irrigation Golf course irrigation Landscape irrigation Landscape irrigation Landscape irrigation Freeway landscape irrigation Landscape irrigation	697 332 115 54 41 22 15 4	706	12/98
North City WRP (City of San Diego)	AS NR C F D RO 30.00, 8.00	Whlse: City of San Diego Retail: Cities of San Diego, Poway • Metro Biosolids Center • Misc landscaping-70 sites • Various greenbelts, street medians-41 sites • Torrey Pines Municipal Golf Course • Freeway: I5-11 sites • Miramar Landfill • Superior Ready Mix • UC San Diego • Various parks-6 sites • Various-3 sites	Washdown Landscape irrigation Landscape irrigation Golf course irrigation Freeway landscape irrigation Dust control, compaction Concrete mix, washdown Athletic field irrigation Landscape irrigation Cooling water, landscape irrigation	493 414 343 195 94 71 61 42 26 8	600-692	12/99
Ralph W. Chapman WRF (Otay WD)	P AS C F CH 1.30, 0.78	Whlse: None Retail: Otay WD • Eastlake Country Club • Various greenbelts, streetscapes-32 sites • Various schools-2 sites • Various parks-2 sites	Golf course irrigation Landscape irrigation School yard, athletic field irrigation Parks, playgrounds irrigation	515 224 55 28	680	12/96

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
San Diego Wild Animal Park STP	AS 0.04, 0.01	Whlse: Retail: • San Diego Wild Animal Park	Landscape irrigation	14	0	12/87
San Pasqual Academy WTP	RB F CH 0.50, 0.50	Whlse: Retail: • San Pasqual Academy	Irrig. of corn, alfalfa, grass, eucalyptus	448	0	12/87
San Pasqual WRP (City of San Diego)	AO F RO UV CH 1.00, 0.60	Whlse: None Retail: City of San Diego • San Pasqual Vista Del Lago-3 sites	Landscape irrigation	109	600	12/99
San Vicente WTP (Ramona MWD)	AS F RO 0.38, 0.31	Whlse: Retail: • Solk Ranch	Avocado irrigation	350	20	12/87
Santa Maria WTP (Ramona MWD)	AS 0.60, 0.52	Whlse: Retail: • Ramona Municipal WD	Pasture irrigation	583	*	12/87
Santee WRF (Padre Dam MWD)	PS AS NR C F CH 2.00, 2.00	Whlse: None Retail: Padre Dam MWD • Santee Lakes Regional Park and Campgrou • Miscellaneous sites-85 sites	Recreational lakes Landscape irrigation	1,824 356	710	12/98
Sewage Disposal Plant #2 (Camp Pendleton)	PS TF AS F CH 1.30, 0.50	Whlse: Retail: • Marine Memorial Golf Course	Golf course irrigation	690	0	12/87

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
Viejas WPCF-Alpine(Cnty of San Diego)	0.03, 0.03	Whlse: Retail: • Descanso Camp	Fire break, landscape irrigation	34	0	12/87
Whispering Palms WPCF (Whispering Palms CSD)	AS CH 0.30, 0.09	Whlse: Retail: • Del Rayo Racing Stables	Pasture irrigation	17	*	12/87
<b>San Joaquin County</b>						
Lockeford Comm Serv Dist WTP	OP 0.20, 0.17	Whlse: Retail: • Individual farmer	Pasture irrigation	28	0	12/87
Manteca WQCF, City of	PS TF AS CH 6.95, 5.50	Whlse: None Retail: City of Manteca • Machado Farms (land lease from City) • Dutra Farms	Irrigation of dairy feed-alfalfa, corn, forage Irrigation of dairy feed-alfalfa, corn, forage	805 445	*	10/98
White Slough WPCF (City of Lodi)	PS AS CH DC 8.50, 6.20	Whlse: None Retail: City of Lodi • City site leased to farmer • Northern California Power Agency • SJ Cnty Mosquito and Vector Ab. Dist.	Alfalfa and corn irrigation Boiler feed at powerplant Make-up water mosquito fish rearing ponds	2,197 89 71	0	12/97
<b>San Luis Obispo County</b>						
Atascadero CSD STP	OP 1.40, 0.96	Whlse: Retail: • Chalk Mountain Golf Course	Golf course irrigation	338	53	12/87

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
Black Lake WTP (San Luis Obispo CSA 1-G)	OP D 0.10, 0.01	Whlse: Retail: • Black Lake Golf Course	Golf course irrigation	11	Unk	12/87
California Men's Colony WTP (Calif Dept Corrections)	PS TF C F CH DC 2.00, 1.20	Whlse: None Retail: See notes • Dairy Creek Golf Course • Cal State Polytechnic University	Golf course irrigation Fodder crop irrigation	275 50	*	12/99
Cambria Comm Serv Dist STP	AS CH 1.00, 0.48	Whlse: Retail: • Cambria Comm Serv Dist facility	Fodder feed for a contracted cattle operation	533	0	12/87
Rancho Colina STP	AS 0.35, 0.01	Whlse: Retail: • Rancho Colina	Pasture irrigation	11	0	12/87
<b>Santa Barbara County</b>						
Cachuma SD WTP	AS OP 0.22, 0.03	Whlse: Retail: • Cachuma Trail's	Pasture irrigation (horses)	1	0	12/87

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
El Estero WRF (City of Santa Barbara-tertiary only)	PS AS C F CH 4.30, 0.67	Whlse: Retail: City of Santa Barbara • Santa Barbara Golf Club • Various parks, athletic fields-16 sites • Montecito Country Club • Santa Barbara City College • Miscellaneous sites-9 sites • Various schools-6 sites • Freeway:US 101-2 sites • Santa Barbara Zoological Gardens • Earl Warren Showgrounds • Palm Park restroom facilities-2 sites	Golf course irrigation Parks, athletic field irrigation Golf course irrigation Landscape irrigation, toilet flushing Miscellaneous landscape irrigation School yard irrigation Freeway landscape irrigation Landscape irrigation, zoo utility water Landscape irrigation, dust control Toilet flushing	183 145 143 75 74 62 41 19 5 4	575	12/97
Goleta SD STP	PS AS C F 3.30, 0.66	Whlse: Goleta SD Retail: Goleta WD • Glen Annie Golf Course • Sandpiper Golf Course • UC Santa Barbara • Ocean Meadows Golf Club • Various commercial and public-2 sites • Franciso Torres Dormitory • Goleta Beach County Park • U.S. Postal Service • Various schools-2 sites	Golf course irrigation Golf course irrigation Campus landscape irrigation Golf course irrigation Landscape irrigation Landscape irrigation Landscape irrigation, toilet flushing Landscape irrigation, toilet flushing School yard, athletic field irrigation	272 222 118 77 18 12 8 7 6	241-758	12/98
Guadalupe WTP, City of	PS OP 0.50, 0.36	Whlse: Retail: • Charles A. Pasquini	Pasture irrigation	363	0	12/87

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
Laguna CSD WRP	PS TF OP 3.20, 2.20	Whlse: None Retail: None • Farmer	Pasture irrigation	2,501	*	12/97
Mission Hills Comm Serv Dist STP	OP 0.40, 0.23	Whlse: Retail: • Mission Bell Dairy	Irrigation of animal feed	4	0	12/87
Santa Maria WTP, City of	PS TF OP 7.80, 5.58	Whlse: Retail: • WTP pasture	Flood irrigation of pasture	1,875	0	12/87
Solvang WTP, City of	AS D 1.00, 0.68	Whlse: Retail: • Gardner Ranch	Pasture irrigation	37	0	12/87
U.S. Penitentiary STP - Lompoc	PS OP 0.68, 0.38	Whlse: Retail: • U.S. Penitentiary at Lompoc	Corn Irrigation (cattle feed)	424	0	12/87
<b>Santa Clara County</b>						
Gilroy and Morgan Hill STP, Cities of	OP CH 6.10, 5.00	Whlse: Retail: • Hoey Christmas Tree Farm • Mario Fiorio • Christmas Hill Park	Christmas trees Flower and vegetable seeds Landscape irrigation	31 31 9	20	12/87

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
Palo Alto Regional WRP, City of	PS TF AS C F CH 4.00, 0.15	Whlse: City of Palo Alto Retail: Cities of Palo Alto, Mountain View  • Palo Alto Municipal Golf Course • Greer Park • Shoreline Golf Links • Shoreline at Mountain View Park	Golf course irrigation Landscape irrigation Golf course irrigation Landscape irrigation	101 31 16 4	0	12/97
San Jose/Santa Clara Water Pollution Control Plant	AS C F CH DC 167.00, 115.00	Whlse: South Bay Water Recycling Retail: See notes  • Miscellaneous landscape-147 sites • Oak Hill Memorial Park • Various schools, college-10 sites • Various parks, athletic fields-19 sites • Santa Clara Golf and Tennis Club • San Jose Municipal Golf Course • The Villages Golf and Country Club • Various cooling towers-2 sites • Golf driving ranges-2 sites • California Paperboard • Various roadway medians, greenbelts-10 sites • San Francisco 49ers Training Facility • Silver Creek Valley Country Club • Great America Theme Park • Various landfills-2 sites • Freeway: Rt 237 • Cisco Systems	Landscape irrigation Cemetery landscape irrigation Landscape irrigation Landscape irrigation Golf course irrigation Golf course irrigation Golf course irrigation Cooling tower make-up water Landscape irrigation Paper manufacturing Landscape irrigation Landscape irrigation Golf course irrigation Landscape irrigation Dust control, compaction Freeway landscape irrigation Toilet flushing	853 401 296 231 218 195 137 117 86 85 64 35 28 17 16 8 2	20-741	12/99



Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
Sunnyvale Water Pollution Plant, City of	OP NR C F CH 29.50, 15.00	Whlse: None Retail: City of Sunnyvale • Sunnyvale Municipal Golf Course • Baylands Park	Golf course irrigation Landscape irrigation	200 67	0	12/96
<b>Santa Cruz County</b>						
Davenport CSD WWF	PS OP C CH F 0.05, 0.01	Whlse: None Retail: Davenport CSD • Coast Dairies and Land Company	Irrigation of Brussels sprouts	16	0	12/99
<b>Shasta County</b>						
Shasta College WTP	OP ,	Whlse: Retail: • Shasta College	Alfalfa irrigation	6	0	12/87
Shasta Dam Area PUD STP	AS CH 0.70, 0.65	Whlse: Retail: • Wayne Gardner • Sierra Pacific Lumber	Pasture irrigation Wash down log decks	215 31	15	12/87
<b>Sierra County</b>						
Loyalton WTP, City of	PS OP 0.24, 0.32	Whlse: Retail: • Individual farmer	Hay irrigation	358	0	12/87
<b>Siskiyou County</b>						
Montague STP, City of	OP 0.23, 0.07	Whlse: Retail: • Meamber Ranch	Grazing, grass hay & alfalfa irrigation	116	0	12/87

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
Weed WQCF, City of - Shastina System	OP 0.25, 0.17	Whlse: Retail: • Willard Caldwell Ranch	Flood pasture irrigation	122	0	12/87
Weed WQCF, City of - Weed System	PS TF OP 0.38, 0.21	Whlse: Retail: • Roger Zwanziger	Alfalfa irrigation	153	0	12/87
<b>Solano County</b>						
Fairfield-Suisun WTP (Fairfield-Suisun Sewer Dist)	TF AS C F CH 17.50, 6.50	Whlse: None Retail: Fairfield-Suisun Sewer District • Woerner's Turf Nursery • Various managed duck clubs - 4 sites	Turf nursery irrigation Maintenance of hunting marsh	6,138 246	11-30	12/97
<b>Sonoma County</b>						
Airport WTP (Sonoma County Water Agency)	OP CH 0.72, 0.66	Whlse: None Retail: Sonoma County Water Agency • Farmer	Fodder crop irrigation	550	0	12/99
Bodega Bay PUD STP	AS F D 0.38, 0.17	Whlse: Retail: • Bodega Harbour Golf Links	Golf course irrigation	155	*	12/87
Forestville WTP (Sonoma County Water Agency)	OP CH DC 0.10, 0.05	Whlse: None Retail: Sonoma County Water Agency • Various vineyards-2 sites • Vigil Property	Vineyard irrigation Blueberry irrigation	15 6	0	12/99

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
Graton WTP (Sonoma County Water Agency)	OP CH 0.14, 0.07	Whlse: None Retail: Sonoma County Water Agency • Various vineyards-2 sites • Vigil Property	Vineyard irrigation Blueberry irrigation	19 8	0	12/99
Laguna Subregional TP (City of Santa Rosa)	AS C F CH DC 18.00, 17.10	Whlse: None Retail: City of Santa Rosa • Various farms-12 sites • Various farms-11 sites • Various farms-21 sites • Mountain Shadows Golf Course • Various farms-6 sites • Miscellaneous landscape-11 sites • Various farms-3 sites • Various schools-9 sites • Sonoma State University • City of Rohnert Park-11 sites • Michael Strunk • Frietas Farm • Various parks-2 sites • Countryside III Estates	Fodder crop irrigation Irrigation of mixed products Pasture irrigation Golf course irrigation Vineyard irrigation Landscape irrigation Irrigation of vegetables Landscape irrigation Landscape irrigation Irrigation of parks, baseball field, misc. Turf nursery irrigation Irrigation of trees Landscape irrigation Greenbelt irrigation	3,428 2,838 2,801 377 353 169 165 154 146 136 82 26 4 4	(68)-342	12/98
Oakmont WTP (City of Santa Rosa)	PS AS F CH 0.67, 0.50	Whlse: None Retail: City of Santa Rosa • Oakmont Golf Club	Golf course irrigation	141	0	12/97
Occidental WTP (Sonoma County Water Agency)	OP CH DC 0.05, 0.02	Whlse: None Retail: Sonoma County Water Agency • Lotus Property	Pasture irrigation	6	0	12/99

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
Petaluma WWTP, City of	TF AS OP CH DC 5.20, 4.50	Whlse: None Retail: City of Petaluma • 7 farmers • Adobe Creek Golf Course	Pasture, feed crops, tree irrigation Golf course irrigation	2,409 325	(228)-130	12/97
Russian River WTP (Sonoma County Water Agency)	AS C F CH DC 0.51, 0.36	Whlse: None Retail: Sonoma County Water Agency • District leased land-timber harvest • Northwood Golf Course	Redwood tree irrigation Golf course irrigation	122 46	0	12/99
Sears Point WTP (Sonoma County Water Agency)	OP 0.01, 0.01	Whlse: None Retail: Sonoma County Water Agency • Sears Point Raceway	Landscape irrigation	8	0	12/99
Sonoma Valley WWTP (Sonoma County Water Agency)	AS F CH DC 3.00, 2.60	Whlse: None Retail: Sonoma County Water Agency • Various vineyards-7 sites • Mulas Property • Hudeman Slough Wetlands	Vineyard irrigation Pasture and fodder irrigation Wetlands enhancement/restoration	460 399 163	0	12/99
Windsor WD STP	OP D 1.00, 0.65	Whlse: Retail: • District Disposal Field • Landmark Vineyards	Sheep Grazing (irrigation) Frost protection & irrigation	552 61	0	12/87
<b>Stanislaus County</b>						
Ceres WTF, City of	PS OP F CH 1.80, 1.80	Whlse: Retail: • Individual Farmer • City of Ceres	Silage irrigation Landscape irrigation	263 92	0	12/87

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
Modesto WQCF, City of	PS TF OP CH DC 70.00, 26.00	Whlse: None Retail: City of Modesto • City of Modesto Ranch Property	Pasture and fodder crop irrigation	8,227	*	12/98
Patterson WTP, City of	AS 1.00, 0.45	Whlse: Retail: • Tony Gill	Pasture irrigation	135	0	12/87
<b>Tehama County</b>						
Red Bluff WRP, City of	PS AS F CH DC 2.50, 1.40	Whlse: None Retail: City of Red Bluff • Freeway landscape	Freeway landscape irrigation	47	0	12/99
<b>Tulare County</b>						
Cutler-Orosi Joint Powers Wastewater Authority STP	PS TF AS CH 1.47, 1.20	Whlse: Retail: • Alta Growers Inc. (Jerry Halford) • Effluent Disposal Facility	Irrig. of grapes, vines, peaches, eucalyptus Winter wheat irrigation	683 669	0	12/87
Exeter WTP, City of	OP CH 1.20, 0.70	Whlse: Retail: • Jay Peterson	Plum irrigation	30	0	12/87
Ivanhoe PUD STP	OP 0.56, 0.35	Whlse: Retail: • Ivanhoe PUD	Pasture irrigation	343	0	12/87
Porterville WTF, City of	PS AS CH 8.00, 4.40	Whlse: None Retail: City of Porterville • Robert Nuckols Farming	Irrigation of alfalfa, corn, fodder crops	2,878	2	10/98

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
Strathmore PUD WTP	PS OP 0.40, 0.28	Whlse: Retail: • Wastewater Treatment Plant	Citrus, eucalyptus trees and pasture irrigation	46	0	12/87
Tulare WPCF, City of	PS TF AS OP 10.40, 8.00	Whlse: None Retail: City of Tulare • Clarklind Farms at City site	Irrigation of cotton, corn and forage crops	8,608	*	12/99
Visalia Water Conservation Plant, City of	PS TF AS CH 16.60, 11.00	Whlse: None Retail: City of Visalia • City-owned walnut orchard	Orchard irrigation	2,700	0	12/98
Woodlake WTF, City of	OP 0.91, 0.55	Whlse: Retail: • City of Woodlake	Pasture irrigation	621	0	12/87
<b>Tuolumne County</b>						
Groveland Comm Serv Dist WTF	AS CH 0.40, 0.14	Whlse: Retail: • Pine Mountain Lake Country Club	Golf course irrigation	57	21	12/87
Jamestown SD WTP (Tuolumne Regional WD)	PS TF CH 0.28, 0.15	Whlse: Retail: • See Sonora Regional WTP	Pasture, forage and fiber crop irrigation	186	0	12/87
Sierra Conservation Center STP (CA Dept of Corrections)	AS CH 0.60, 0.50	Whlse: None Retail: Sierra Conservation Center • T-5 Ranches, Inc.	Pasture irrigation (190 acres)	583	0	12/99

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
Sonora Regional WTP (Tuolumne Regional WD)	PS TF OP CH 2.60, 1.20	Whlse: Retail: • 33 users vic., Jamestown, CA	Pasture, forage, fiber crop irrigation	1,232	0	12/87
Tuolumne City SD WTP	PS AS OP 0.34, 0.07	Whlse: Retail: • Baker Ranch	Pasture irrigation	101	0	12/87
<b>Ventura County</b>						
Camarillo SD WRP	PS AS CH DC 6.75, 3.50	Whlse: None Retail: Camarillo SD • Bruckor Farms • Conejo Memorial Cemetery	Irrigation of seed crops, lemons Landscape irrigation	943 236	0	11/98
Camrosa WTP (Ventura Regional SD)	PS TF OP CH 1.50, 1.00	Whlse: Retail: • Camarillo State Hospital • Farmer	Pre-irrigation of various food crops Pre-irrigation of various food crops	307 276	0	12/87
San Buenaventura (Ventura) STP, City of	TF AS C F CH DC 14.00, 10.50	Whlse: Retail: • Olivas Park Golf Course • Buenaventura Golf Course (100 acres) • Ventura Port District • Marina Park (14 acres)	Golf course irrigation Golf course irrigation Landscape irrigation Landscape irrigation	514 232 9 6	72	12/87
Santa Paula WRF (Ventura Regional SD)	PS TF F CH 2.55, 2.00	Whlse: Retail: • Manuel Escalante	Citrus irrigation (May thru October)	117	0	12/87

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
Santa Susana Field Lab STP (Rocketdyne-Rockwell)	AS F 0.11, 0.02	Whlse: Retail: • Santa Susana Field Laboratory	Cooling water for rocket flame buckets	23	0	12/87
<b>Yuba County</b>						
Sewage TP, Facility 8935 (Beale AFB)	PS TF OP CH 5.00, 0.85	Whlse: Retail: • Beale AFB Golf Course Facility 2242	Golf course irrigation	159	0	12/87

**TOTAL ANNUAL WATER REUSE: 401,910 Acre-Feet**

**Approximate Number of Plants: 234**

**Approximate Number of Use Sites: 4,836**



# MUNICIPAL WASTEWATER RECLAMATION SURVEY

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## Notes:

1. General: This survey does not contain all water reclamation projects operating in California. As information becomes available, it will be entered into the database. Readers are encouraged to contact the Office of Water Recycling with any information on missing projects or corrections. At this time, there is no record of use of reclaimed water in the following counties: Alpine (except see South Tahoe PUD, El Dorado County), Colusa, Glenn, Modoc, San Benito, San Francisco, San Mateo, Sutter, Trinity, and Yolo.
2. The primary source of information for most projects is a survey questionnaire from the Office of Water Recycling and filled out by local agencies. However, other sources of information may be used if considered reliable. Examples would be documentation contained in loan application files, descriptions set forth in waste discharge permits, quantities contained in monitoring reports submitted to Regional Water Quality Control Boards, special reports published by agencies (e.g. Los Angeles County Sanitation Districts' Annual Status Report on Reclaimed Water Use), notes based on discussions with agency staff, etc.
3. Name: The treatment plant name as reported by the agency is generally used. If the owning agency or reclaimed water purveyor is not apparent from the plant name, it is shown in parentheses following. Occasionally for reference a plant location is appended after the plant name and a hyphen. "STP" is appended to a proper name unless another generic plant type was designated. Refer to survey introduction for list of abbreviations.
4. Processes: All processes available for treatment are shown unless there is insufficient room. In some cases some processes are used only for discharge or for some users. " \* " designates that secondary or other treatment has been provided at another wastewater treatment plant. Refer to survey introduction for list of abbreviations. Additional treatment provided on-site by individual users for specific applications is generally not reported.
5. Capacity and Flow: Average dry weather flow, in million gallons per day. "Unk" designates that amounts are unknown.
6. Annual Water Reuse: All amounts have been converted from million gallons to acre-feet (AF) and are rounded to the nearest whole amount. Users of less than 1.0 AF may be dropped. In-plant use and non-reclaimed blending or supplemental water amounts are not counted.
7. Water Price: Positive amounts shown indicate the retail amount paid by the user for the reclaimed water. Parentheses designate negative amounts to indicate the amount the user is paid to take the reclaimed water. The amount shown applies to all listed users for the treatment plant unless otherwise indicated by showing a range of amounts. Ranges shown with both negative and positive limits indicate that users pay for reclaimed water in summer and are paid the amount shown in parentheses to take the reclaimed water in winter. An equivalent unit price per acre-foot of reclaimed water has been calculated where appropriate from charges per month, year, or acre of irrigated land. An asterisk designates cases where the monies exchanged cover additional services or costs, such as land rental, and the value of the reclaimed water cannot be determined. "Unk" designates that no information is available.
8. Ending Period: The date shown indicates the last month of a 12-month period for which data are presented.
9. Reclaimed water is blended with other sources of water at some treatment plants. The reasons for blending may be for water quality improvement, augmenting supply capacity in order to meet seasonal peak demands, or to utilize less expensive sources of water such as intermittent surface runoff. The treatment plants which have been identified as using blending are Kern Sanitation Authority WTP (Kern County); Middletown WTP, Southeast WTP, and Hidden Valley Lake CSD WRP (Lake County); Wawona WTF (Mariposa County); Michelson WRP, Muirlands WRP, Oso Creek WRP, and Water Factory 21 (Orange County); Pomona WRP and West Basin WRP - RO System (Los Angeles County); California Men's Colony WTP (San Luis Obispo County); El Estero WRF (Santa Barbara County); and Palo Alto Regional WRP (Santa Clara County). The annual use shown reflects only the amount that is reclaimed water. Blending by the users is not reported.

## MUNICIPAL WASTEWATER RECLAMATION SURVEY

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10. Wholesale and Retail Agency information (reclaimed water): Names of agencies involved in the delivery of reclaimed water to the users is provided. Additional detail is provided below:

### LAKE COUNTY

#### **Middletown WTP and Southeast WTP**

- a. Both of these plants discharge to a line transporting raw water from Clear Lake to the Geysers geothermal area. The blended water is used for steamfield recharge and is injected by means of a series of wells in Lake and Sonoma Counties. Power plants operated by Northern California Power Agency and Calpine Corporation would be the primary users of increased steam production.

### LOS ANGELES COUNTY

#### **Los Coyotes WRP**

- a. Los Angeles County Sanitation District delivers retail water to a City of Bellflower retail customer.
- b. City of Cerritos has a retail distribution system and provides a wholesale connection to City of Lakewood.
- c. City of Lakewood has a retail distribution system.
- d. Central Basin MWD has a distribution system and provides wholesale water to retail agencies at the user meters. The retail agencies are: Cities of Downey, South Gate, Lynwood, Norwalk, Paramount, and Santa Fe Springs; and Bellflower-Somerset, Park, Peerless, and Southern California Water Companies.

#### **Pomona WRP**

- a. City of Pomona has a retail distribution system and also provides a wholesale connection to Walnut Valley Water District.
- b. Walnut Valley Water District has a retail distribution system and also provides wholesale water to Rowland Water District at the user meters.

#### **San Jose Creek WRP**

- a. Los Angeles County Sanitation District delivers water to Water Replenishment District of Southern California.
- b. Los Angeles County Sanitation District delivers retail water to the California Country Club.
- c. City of Industry has a retail distribution system.
- d. Los Angeles County Sanitation District delivers wholesale water to a retail agency at the user meter. The retail agency is the San Gabriel Valley Water Company.
- e. Central Basin MWD has a distribution system and provides wholesale water to retail agencies at the user meters. The retail agencies are: Cities of Huntington Park, Whittier, Cudahy, and Santa Fe Springs; and the San Gabriel Valley Water Company.
- f. Los Angeles County Sanitation District delivers water to the Puente Hills Landfill, owned by the District.

#### **Whittier Narrows WRP**

- a. Los Angeles County Sanitation District delivers water to Water Replenishment District of Southern California.
- b. Los Angeles County Sanitation District delivers wholesale water to a retail agency at the user meter. The retail agency is the San Gabriel Valley Water Company.

#### **West Basin WRP - Title 22 System**

- a. West Basin MWD obtains secondary effluent from the City of Los Angeles' Hyperion STP and provides tertiary treatment.
- b. West Basin MWD has a distribution system and provides wholesale water to retail agencies at the user meters. The retail agencies are: Cities of Hawthorne, Inglewood, Los Angeles, Torrance, El Segundo, and Manhattan Beach; and the California Water Service and Southern California Water Companies.

# MUNICIPAL WASTEWATER RECLAMATION SURVEY

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## **West Basin WRP - RO System**

- a. West Basin MWD obtains secondary effluent from the City of Los Angeles' Hyperion STP and provides tertiary treatment, including reverse osmosis.
- b. West Basin MWD blends treated effluent with imported freshwater and sells the product to the Water Replenishment District of Southern California.
- c. The blended product water is delivered to the West Coast Basin Barrier Project owned and operated by the Los Angeles County Department of Public Works.

## **MENDOCINO COUNTY**

### **Gualala CSD WTP**

- a. Secondary effluent from the Sonoma County Water Agency's Sea Ranch North WWTP is transferred to the Gualala CSD STP from May through October, given additional treatment, and provides additional reclaimed water for irrigation.

## **MONTEREY COUNTY**

### **Carmel TP**

- a. The Carmel Area Wastewater District provides the tertiary treatment. The Pebble Beach Community Services District has a distribution system and provides wholesale water to the retail agency at the user meter. The retail agency is the Monterey Peninsula Water Management District.

## **ORANGE COUNTY**

### **Green Acres TP**

- a. Orange County Water District delivers wholesale water to retail agencies at the retail customer meter. The retail agencies are the Cities of Fountain Valley and Santa Ana and the Mesa Consolidated Water District. Beginning in 1997, the distribution systems for the Green Acres TP and the Michelson WRP (Irvine Ranch WD) were interconnected. Reclaimed water from Michelson is reused by OCWD customers in lieu of Green Acres water during the winter months.

### **Coastal WRP**

- a. South Coast WD has a retail distribution system and also provides a wholesale connection to Moulton Niguel WD.

## **RIVERSIDE COUNTY**

### **Temecula Valley Regional WRF**

- a. Eastern MWD provides retail service to their customers from the Temecula Valley Regional WRF and provides wholesale service to Rancho California WD.

### **Santa Rosa WRF**

- a. Rancho California WD blends treated effluent from the Temecula Valley Regional WRF and their own Santa Rosa WRF to provide retail service to their customers.

## **SANTA CLARA COUNTY**

### **San Jose/Santa Clara Water Pollution Control Plant**

- a. South Bay Water Recycling serves as the wholesaler of recycled water and distributes recycled water to four retailers: Cities of Milpitas and Santa Clara, San Jose Municipal Water Company, and the San Jose Water Company.